Journal of Geochemical Exploration, 46 (1993) 377–378
Elsevier Science Publishers B.V., Amsterdam

Contents Volume 46 (1992/1993)

Special Issue

The Poços de Caldas Project: natural analogues for processes in a radioactive waste repository, Part II, edited by N.A. Chapman, I.G. McKinley, M.E. Shea and J.A.T. Smellie

Natural analogues for the design and performance assessment of radioactive waste forms: a review
J.C. Petit (Fontenay aux Roses, France) 1
Natural analogues for predicting the reliability of the engineered barrier system for high-level waste
M.J. Apted (Denver, CO, USA) 35
Using data from natural environments to improve models of uranium speciation in groundwaters
D. Read (Epsom, UK) and P. Hooker (Keyworth, UK) 63
A review of the application of natural analogues in performance assessment: improving models of radionuclide transport in groundwaters
W.R. Alexander (Bern, Switzerland) and I.G. McKinley (Wettingen, Switzerland) 83
A natural analogue of high pH cement pore waters from the Maqarin area of northern Jordan. I: introduction to the site
H.N. Khoury, E. Salameh (Amman, Jordsn), I.D. Clark (Ottawa, Canada), P. Fritz (Neuherberg, Germany), W. Bajjali (Amman, Jordan), A.E. Milodowski, M.R. Cave (Keyworth, UK) and W.R. Alexander (Berne, Switzerland) 117
A natural analogue of high pH cement pore waters from the Maqarin area of northern Jordan. II: results of predictive geochemical calculations
W.R. Alexander (Berne, Switzerland), R. Dayal, K. Eagleson (Toronto, Canada), J. Eikenberg (Villigen, Switzerland), E. Hamilton (Wettingen, Switzerland), C.M. Linklater (Harwell, UK), I.G. McKinley (Wettingen, Switzerland) and C.J. Tweed (Harwell, UK) 133

Research papers
Gold patterns in big sagebrush over the CX and Mag deposits, Pinson Mine, Humboldt County, Nevada
S.C. Smith (Reno, NV, USA) and E.L. Kretschmer (Winnemucca, NV, USA) 147
Fluid inclusion chemistry as a guide to tin mineralization in the Dartmoor granite, southwest England
D.H.M. Alderton (Egham, UK), A.H. Rankin (Kingston-upon-Thames, UK) and M. Thompson (London, UK) 163
Transport and fixation of Au, Pt and Pd around the Lac Sheen Cu–Ni–PGE occurrence in Quebec, Canada
N.J. Cook, S.A. Wood and Y. Zhang (Montreal, Canada) 187
Abstracts from the 1991 annual meeting of the U.S. Working Group of the International Geological Correlation Program Project #254, Metalliferous Black Shales and Related Ore Deposits, San Diego, CA, October 1991
Conveners: R.I. Grauch (Denver, CO, USA) and R.M. Kettler (Lincoln, NE, USA) 229

Brief reviews of publications received 243

Research papers

Identification of geochemical anomalies using principal component analysis and factorial kriging analysis
R. Jimenez-Espinosa (Granada, Spain), A.J. Sousa (Lisbon, Portugal) and M. Chica-Olmo (Granada, Spain) 245

Preliminary studies of the CHIM electrogeochemical method at the Kokomo Mine, Russell Gulch, Colorado
D.B. Smith, D.B. Hoover and R.F. Sanzolone (Denver, CO, USA) 257

Distribution and behaviour of platinum in soils, sediments and waters of the Tulameen ultramafic complex, southern British Columbia, Canada
S.J. Cook (Victoria, B.C., Canada) and W.K. Fletcher (Vancouver, B.C., Canada) 279

Detailed geochemical survey in the Peloritani Arc (northeastern Sicily, Italy): Evidence of gold anomalies
B. De Vivo, A. Lima (Naples, Italy), G. Catalano and A. Chersicla (Follonica, Italy) 309

Scapania undulata (L.)Dum. and other aquatic bryophytes as indicators of mineralization in Poland
A. Samecka-Cymerman (Wroclaw, Poland) and A.J. Kempers (Nijmegen, Netherlands) 325

Hydrothermal alteration of the Beira schists around the W–Sn specialised Regoufe granite, NW Portugal
A.J. van de Haar, S.P. Vriend and P.F.M. van Gaans (Utrecht, Netherlands) 335

Geochemistry of ephemeral stream sediments in the Precambrian mountainous arid terrain of southern Israel
R. Bogoch, M. Shirav, M. Beyth and L. Halicz (Jerusalem, Israel) 349

The significance of the dormant stage in the growth cycle of deciduous plants for biogeochemical uranium prospecting, India
S.K. Pande (Raipur, India), A.N. Desmukh and P.K. Shrivastava (Nagpur, India) 364

Book review

Progress in Hydrogeochemistry, by G. Matthess, F.H. Frimmel, P. Hirsch, H.D. Schulz and E. Usdowski (Editors) — I.D. Clark 375

Contents Volume 46 377